

SWBAT

measure x & y speeds
for projectiles

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Friday 4 December 2015



H. Leslie Grebe
Room C-244

- Show me you are passing on SchoolView, or secure phone!
- Gravity packet
- Toy popper

Centering
(music)

Opening Activity - Quick Write!

Write title and artist of SONGS that get you going, pick you up, inspire you, help you work harder when you don't really feel like it.

Always do your best. What you plant now, you will harvest later.
Og Mandino

Sep 7-7:04 AM

The Challenge: **By Tue 11/24**

- Finish gravity packet
- Finish Toy Popper questions
- Create a class set of free fall UAM problems with solutions

The Reward - Ice cream and root beer!

Nov 20-8:27 AM

ICE CREAM ELIGIBLE: 3/4		
<u>6⁵ SOLUTIONS</u>	<u>GRAVITY PACKET</u>	<u>TOY POPPER</u> 3/4
LA DONNA	✓	✓
BRANDON		
ALEX	✓	✓
SHAYA	✓	✓
NANCY		
JENN		

Dec 1-9:46 AM

What we should have solid:

Memorize our 5 vocab cards, units, vector or not, definition, formula

Be able to answer distance vs displacement questions

Be able to make measurements of real-life motion. Know what is likely to make timing things difficult and how to get more reliable timing results

Be able to convert between miles and meters, between hours, minutes, and seconds

Be able to calculate speed = dist/time and velocity = disp/time

Know what all of the symbols in the UAM equations stand for and mean

Be able to turn a UAM word problem into a list of knowns and unknowns

Be able to pick the equation with those 4 things in it

Be able to put the knowns into that equation

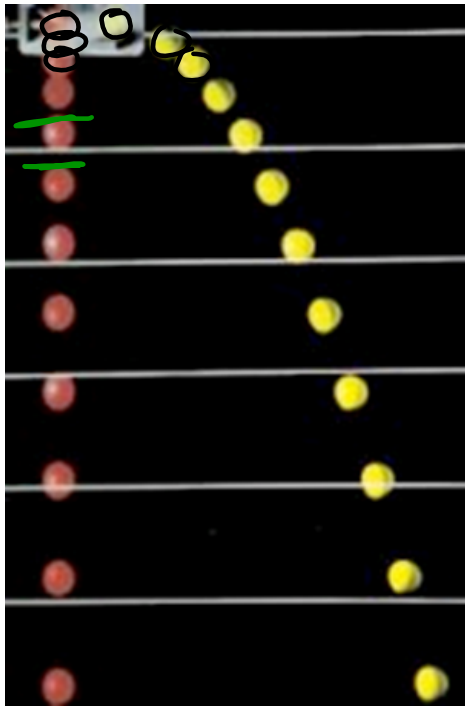
(Be able to solve for the unknown)

QW every day to review? Volunteer answers on board?

Dec 4-9:15 AM

Unit	Chapters	Date
Left-Side Items	Page	Right-Side Items
REFLECTION ON NOTES	2	TED ED ADAM SAVAGE
HOW FAR FROM BRIDGE	4	"FORT STUEBEN"
REFLECTION ON NOTES	6	HMWK: BASE UNITS
PR: DISTANCE & DISPLACEMENT	8	HMWK: FP DISPLACEMENT
DIAGRAM & STEPS	10	TIMING & ERROR
SUMMARY OF TIMING	12	HOW TO BUILD A TABLE
PR: CONVERTING UNITS	14	HMWK: FP CONVERSIONS
PR: VELOCITY & SPEED	16	HMWK: FP SPEED & VELOCITY
SPEED WORD PROBLEMS	18	ALGEBRA FOR PHYSICS
LAB JOURNAL 10/7	20	LAB JOURNAL 10/8
..		HMWK: FP GRAPHS POSITION
LAB JOURNAL 10/12	24	EXPERIMENT RUBRIC
26	USE FOR PROJECT	27
OBSERVATIONS OF ORF	28	FP: INTRO TO ACC.
REVIEW FOR TEST	30	BALL ON RAMP
VECTORS, DIRECTION	32	FP: BASIC ACC EXAMPLE
PRACTICE UAM	34	FP: INTRO TO UAM
FALLING OBJECTS PACKET	36	FP: INTRO TO FREEFALL
MY FREE FALL WORD PROBLEM	38	3-ACT FALLING GLOWSTICK
Toy popper experiment	40	Free fall class solutions
Launched vs. Dropped	42	

Sep 5-9:09 AM



PROJECTILES LAUNCHED

SPEED: y
VERTICAL

SPEED: x
HORIZONTAL

$$\text{SPEED} = \frac{\text{DIST}}{\text{TIME}}$$



Dec 2-8:36 AM